



DATA

SHEET

132.50

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Technical Data

TYPE 302 LF RECEIVER



The CEI Type 302 LF Receiver was designed to fill the need for a small, sensitive receiver covering the range of 30 to 300 kHz. All active elements are solid state, thereby reducing heat and increasing stability. A three position function switch allows the selection of AM-AGC, AM-MAN, and CW reception modes. When the receiver is in the AM-AGC mode, the AGC response can be set to either FAST or SLOW by a front-panel toggle switch. An internal BFO is activated when the function switch is placed in the CW mode.

SPECIFICATIONS

Types of Reception	AM and CW
Frequency Coverage	30-300 kHz in three bands
	Band I: 30-60 kHz
	Band II: 60-140 kHz
	Band III: 140-300 kHz
Input Impedance.	75 ohm, unbalanced; Type BNC connector
Intermediate Frequency	455 kHz
IF Bandwidth	2 kHz
IF Rejection.	60 dB, minimum, below 200 kHz, 45 dB, minimum, above 200 kHz
Image Rejection.	70 dB, minimum
Sensitivity.	0.5 microvolt input, modulated 50% at 400-Hz rate produces 15 dB (s + n)/n
Controls.	BFO tuning; AGC-Fast/Slow; RF-IF Gain; Audio Gain; Power-On/Off; main tuning; Range; function-AM-AGC, AM-MAN, CW
Manual Gain Control Range.	Greater than 100 dB
Outputs	
Audio.	1 volt, rms, into 2 k-ohm load
IF.	100 mV into 50-ohm load, approximately
Audio Response.	10 Hz to 1000 Hz in AGC/fast position
	1 Hz to 1000 Hz in AGC/slow position
	0 Hz to 1000 Hz in AGC/off position

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SPECIFICATIONS - Cont'd

Meter	Signal Strength
Dial Accuracy.	±1%
Power Input	115 volts, 50-400 Hz
Power Consumption.	4 watts, approximately
Weight.	13.5 lbs.
Over-all Dimensions	3.5 inches high, 19 inches wide, and 16.75 inches deep

PRICE: \$1,000.00

FOB Rockville, Maryland. Taxes extra where applicable. Price and specifications subject to change without notice.